

ABSTRACT OF THE DISCLOSURE

The present invention provides silica particles, which include the following physical properties: BET surface area: 100-700 m²/g; DBP absorption: 100-500 g/100 g; tamped density: 100-250 g/l; ALPINE sieve residue > 63μ: < 5%; and particle sizes (cumulative volume distribution): d₉₅ < 40 μm; d₅₀ < 20 μm; and d₅ < 10 μm. The present invention also provides a process for producing silica having a narrow particle size distribution, which includes drying a silica suspension in a pulse combustion dryer to produce silica particles having the following particle size distribution (cumulative volume distribution): d₅ < 10 μm; d₅₀ < 20 μm; and d₉₅ < 40 μm.